

## ABSTRACT

The present invention is to provide an inexpensive transmission apparatus which has the function of receiving standard television broadcasting, uses a minute-power wave, and is able to coexist with future digital television broadcasting or mobile communication equipment which will use the same frequency band as that of the transmission apparatus.

By using an RF converter 102 and an RF tuner 118 which are adapted to a standard television signal, available frequencies within the reception band are detected, and the use frequency is rapidly changed to spread the spectrum, thereby performing communication by the minute-power wave.